FilmL.A., Inc.
6255 W Sunset Blvd, 12th Floor
Hollywood, CA 90028
t: (213)977-8600 - f: (213)977-8601
www.filmla.com

Summary Information

Permit No: F00141612-A **Type of Permit:** FILMING **Release Date:** 09/05/2018

Production Company NBC UNIVERSAL MEDIA LLC

Insured Company Name NBC UNIVERSAL MEDIA LLC

Contact Phone No. 1 310-244-8020
Contact Phone No. 2
Fax
Address 100 UNIVERSAL CITY PLAZA, BLDG 2160 STE 8A
UNIVERSAL CITY, California 91608

Production Title DIRTY JOHN

Type of Production TV Drama

Producer Nan Bernstein

Director Jeffery Reiner

1st AD Jesse Sternbaum

Production Manager Nan Bernstein

FilmL.A. Coordinator Michael Gonzalez

Location Manager Richard DiPatri
Primary Phone Mobile - 323.854.6934
Secondary Phone

Location Assistant n/a n/a
Primary Phone Mobile - 323.854.6934
Secondary Phone

Fees

Notification Charge	$502.00
LA COUNTY ROAD INSPECTION FEE	$360.00
LA COUNTY ROAD APPLICATION FEE	$163.00
FILMLA NON-REFUNDABLE FILM PERMIT RIDER FEE	$109.00
LA COUNTY ROAD ENCROACHMENT PERMIT PROCESSING FEE	$297.00

Total Permit Fee $1,431.00

Number of Locations 1

NOT A PERMIT

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Summary Information — Location

Permit Number	F00141612-A	**Location Manager**	Richard DiPatri
Production Company	NBC UNIVERSAL MEDIA LLC	Primary Phone	Mobile - 323.854.6934
Insured Company	NBC UNIVERSAL MEDIA LLC	Secondary Phone	
Production Title	DIRTY JOHN		

Location Address Soledad Canyon Rd., Crown Valley Rd (North) - Crown Valley Rd (South), Unincorporated Los Angeles County, CA 93510

Location Name SOLEDAD CANYON ROAD/CROWN VALLEY ROAD

Location Type Road

Film Dates 9/6/2018 - 9/6/2018 07:00 - 22:00 1 day

Open or Closed to the Public Closed

Generic Conditions

*Certain service and personnel fees required by jurisdictional agencies are not collected by FilmL.A. Any such fees must be paid directly to the appropriate agency, and a separate invoice will be provided to the permittee.
*LA CITY AND/OR LA COUNTY FIRE CHECKLIST ATTACHED TO FINAL PERMIT. THE PERMITTEE IS RESPONSIBLE FOR COMPLETING CHECKLIST PRIOR TO FILMING ACTIVITY AT THIS LOCATION. NON COMPLIANCE MAY RESULT IN ASSIGNMENT OF A FIRE OFFICER.
FAA (UAS): Failure to adhere to any applicable limitations of UAS usage will result in immediate shutdown of UAS activity
FAA (UAS): UAS may not be operated directly over any person, unless authorized by FAA
FAA (UAS): UAS must be operated at an altitude of no more than 400' above ground level
FAA (UAS): UAS operations may not be conducted during night (1/2 hour prior to sunrise, 1/2 hour after sunset).
FAA (UAS): UAS Operator must conform with all FAA Regulations
FAA: Company must notify LASD AERO BUREAU at least 1/2 hour prior to activity, aerosgtnotification@lasd.org 562.421.2701.
Must comply with attached conditions
Must Maintain 5' Clearance on Sidewalks/Walkways
Must maintain local/emergency access
Must post "ROAD WORK AHEAD" signs, which must remain up until all activities on the roadway have been completed.
No cast or crew parking on area streets
No stopping or setting up in front of merchants or residents without prior approval
Number of uniformed officers listed on the permit is a minimum requirement. Permittee remains responsible for deploying a sufficient number of uniformed officers to provide traffic and crowd control to ensure the safety of the film crew and the public.
Traffic control must be done in accordance w/MUTCD
Traffic Officers Required

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Insured Company	NBC UNIVERSAL MEDIA LLC	Secondary Phone	
Production Title	DIRTY JOHN		

Uniformed officers shall have a copy of the film permit in their possession and are required to confirm that all traffic control signage devices are in place.

Please see attached documents
Dirty John Drone Packet.pdf
Soledad Cnyn (closure) btwn Crown Valley & Crown Valley - Dirty John (Rev 1).pdf

Equipment on Location

Type	Quantity
10 Ton Truck	3
4000 gal water truck	1
5 or 10 ton trucks	3
Cast/Crew vehicles	75
Catering Truck	1
Condors	1
Cranes	1
Cube Trucks	3
Generator	1
Honey Wagons	1
Motor Homes	3
Picture vehicles	8
Portable restrooms	1
Semi Trucks	3
Stakebed Trucks	3
Vans	4

Personnel on Location

Type	Quantity
Cast	4
Crew	50
LA County FSA assigned	1
Sheriff/CHP	4

Filming Activities Aerial Photography with remote control aircraft. (UAS); Camera in car; Camera on sticks; Drive ups & away; Driving shots; Intermittent pedestrian control; Intermittent traffic control - 2 minutes standard; Precision driving (within or below posted speed limit only); Wetdown; Dialogue inside car; Access to large turnouts on Soledad Canyon Rd and Crown Valley Rd for resetting; camera on sticks on side of road as car drives by;

Jurisdiction **Political:** Los Angeles County - Supervisor District 5 **Police:** Los Angeles County Sheriff **Fire:** Los Angeles County Fire Department

Thomas Guide **Page:** 4465 **Grid:**

Location Notes PRODUCTION COMPANY MUST PROVIDE OFFICERS A FINAL COPY OF THE

NOT A PERMIT

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Summary Information — Location

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Production Title	DIRTY JOHN		

PERMIT, AND NOT DRAFT COPY.

REQUESTS FOR ITC ON SOLEDAD CANYON ROAD DURING RUSH HOURS (5AM TO 9AM AND 3PM to 6PM) WILL BE REVIEWED ON A CASE BY CASE BASIS.

Approvals

LOS ANGELES COUNTY ROAD DEPARTMENT - PALMDALE (PO5)	Darren Eckert
LOS ANGELES COUNTY PUBLIC WORKS - FINAL APPROVERS	Linda Ayers

Coordinator Note PRODUCTION COMPANY MUST PROVIDE OFFICERS A FINAL COPY OF THE PERMIT, AND NOT DRAFT COPY.

Coordinator Note LA County Fire Dept #18 2705 80, FSA Assigned, 4000-gallon water truck required

Parking

Base Camp		**Crew Parking**	
Location Type : Other Location	3840 Crown Valley Rd, Acton, CA, 93510	Location Type : Other Location	3840 Crown Valley Rd, Acton, CA, 93510

Parking Notes
Basecamp/Crew Parking: Acton Movie Ranch. 3840 Crown Valley Rd, Acton CA 93510

Lane / Full Closure FULL CLOSURE - SOLEDAD CANYON RD BETWEEN CROWN VALLEY NORTH AND CROWN VALLEY SOUTH

Approximate Footage more than 1800

Date(s) 9/6/2018 to 9/6/2018 **Time(s)** 09:00 to 16:00

NOT A PERMIT

Permit #F00141612-A

FilmL.A. Inc. UAS QUESTIONNAIRE

(FOR MORE THAN 2 LOCATIONS, PLEASE USE AN ADDITIONAL FORM)

FilmL.A. Permit #:

Film Date: September 6, 2018

Production Title: Dirty John

Production Company: NBC Universal

Applicant Name: Steven Blizzard

Location Address: Acton Movie Ranch, 3840 Crown Valley Road, Action CA 93510

Hours of UAS Activity: 0630-2000

Location Address #2:

Hours of UAS Activity:

UAS Company Name: Aerial MOB

UAS ON LOCATION INFORMATION

ANY RESTRICTED AREAS OR TEMPORARY FLIGHT RESTRICTIONS? ☐ YES ■ NO

UAS Make & Model: Freefly Alta 8

UAS "N" # or registration #: FA3ENHHCX4

UAS Make & Model:

UAS "N" # or registration #:

Class of Airspace that activity will occur in: ☐ B ☐ C ☐ D ☐ E ■ G

REMINDER: IF YOU ARE FLYING IN CLASS B, C, D, OR E AIRSPACE, ATC AUTHORIZATION IS REQUIRED FOR ALL UAS ACTIVITY.

UAS OPERATING AUTHORITY: ☐ 333 EXEMPTION ■ 14 CFR PART 107

333 EXEMPTION REQUIREMENTS

Name of Pilot in Command:

Pilot's Phone #:

Name of Visual Observer:

Visual Observer's Phone #:

PLEASE PROVIDE THE FOLLOWING:

- Copy of COA or Blanket COA
- Copy of POA with proof of submission to local FSDO
- Copy of Pilot's License

PART 107 REQUIREMENTS

Name of Remote Pilot: Steven Blizzard

Certificate #: 3904184

Remote Pilot Phone #: 6198890051

Visual Observer: ☐ YES ■ NO

PLEASE PROVIDE THE FOLLOWING:

- Copy of Remote Pilot's Certificate
- Copy of UAS Registration Certificate for each UAS listed above
- Description of Planned Operations

WAIVERS

If you are requesting any of the following activity, please check all that apply and furnish proof of waiver from the FAA upon submission of this document to FilmL.A.

☐ Flight over non-participants (§107.39)
☐ Flight altitude restrictions (§107.51)
☐ Night Flight (§107.29)
☐ Operating from a moving vehicle (§107.25)
☐ Operating multiple small UAS' (§107.35)

FILMLA. USE ONLY

333 EXEMPTION

☐ INSURANCE
☐ COA
☐ POA
☐ PILOT'S LICENSE
☐ DOCS ATTACHED TO PERMIT
☐ VISUAL OBSERVER

PART 107 CERTIFICATE

☐ INSURANCE
☐ DOCS ATTACHED TO PERMIT
☐ REMOTE PILOT CERTIFICATE
☐ UAS REGISTRATION CERTIFICATE(S)
☐ WAIVERS
☐ DESCRIPTION OF OPS.
☐ ATC COORDINATOR NOTE

☒ Steven Blizzard

(APPLICANT)

I ASSERT THAT ALL INFORMATION ON THIS FORM IS ACCURATE.

UPDATED: 10/13/2016

NOT A PERMIT

AERIAL MOB LLC MOTION
PICTURE MANUAL
PLAN OF ACTIVITIES

1. Name of production.

Dirty John

2. Dates and times for all flights.

09/06/2018 - 0630-2000 pdt

3. Name and phone number of the person responsible for the production.

Jennifer Shaw 818.983.3638

4. Name and phone number of the person responsible for the sUAS.

Steven Blizzard 619.889.0051 Aerial MOB representative

5. Make, model and serial number and/or registration number of all sUAS to be used.

Freefly Systems Alta 8 FA3ENHHCX4

6. Name and certificate number of all pilots to be utilized in the production event.

Steven Blizzard 3904184

7. A statement that the waiver holder has obtained written/witnessed oral permission from

We have a film permit/location agreement for filming the properties described

NOT A PERMIT

8. Signature of waiver holder or representative. Aerial MOB llc Permit #F00141612-A

9. A general outline, or summary of proposed production flight activities.

We will be making various flights through the day 5-10 minutes at a time with 5 to 60 minute breaks between flights. most operations will be less that 100' in altitude with a maximum 400' ceiling. We are operating under part 107 and will not fly over people.

10. Maps or diagrams of the proposed operation, relative to a specific production location, will See attached map for the proposed operating area.

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ADDITIONAL COMMENTS

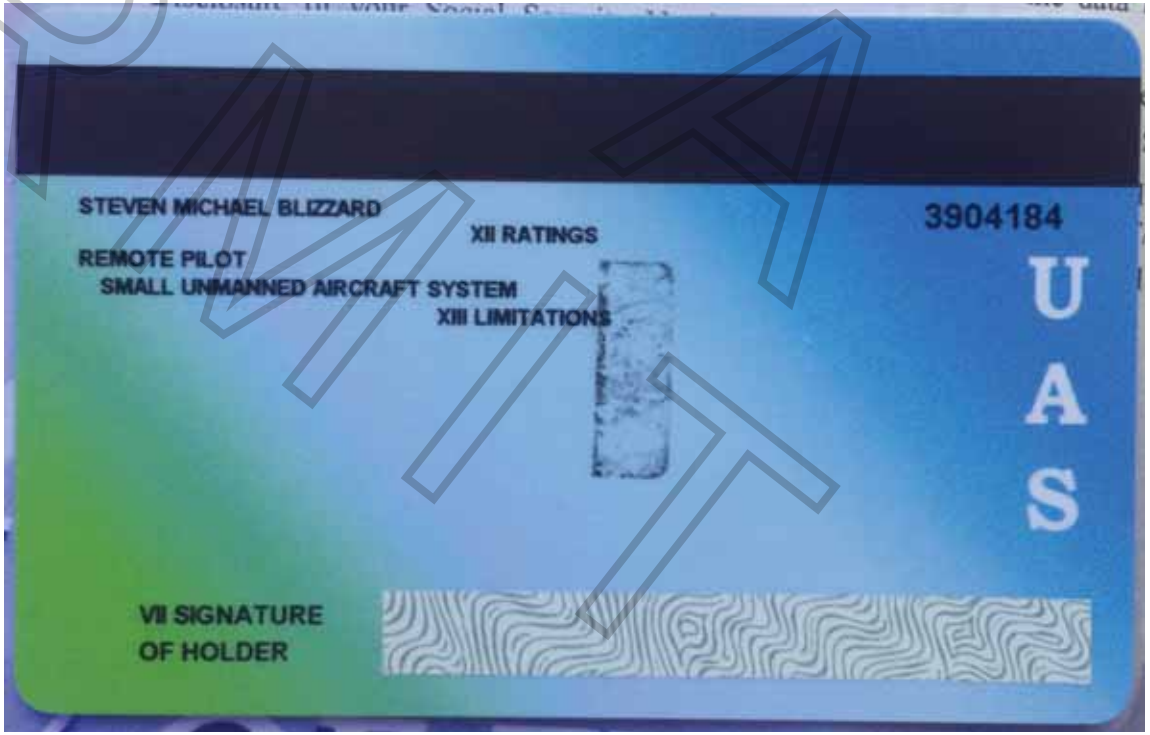
The production will be located on a controlled, closed-set environment. There will be no un-authorized personnel or general public allowed within the immediate vicinity of the production.

Location

Acton Movie Ranch, 3840 Crown Valley Road, Action CA 93510

Please find on the following pages a general outline of the plan of events, maps, or diagrams of the specific filming location. If you have any questions I can be reached at 619.889.0051

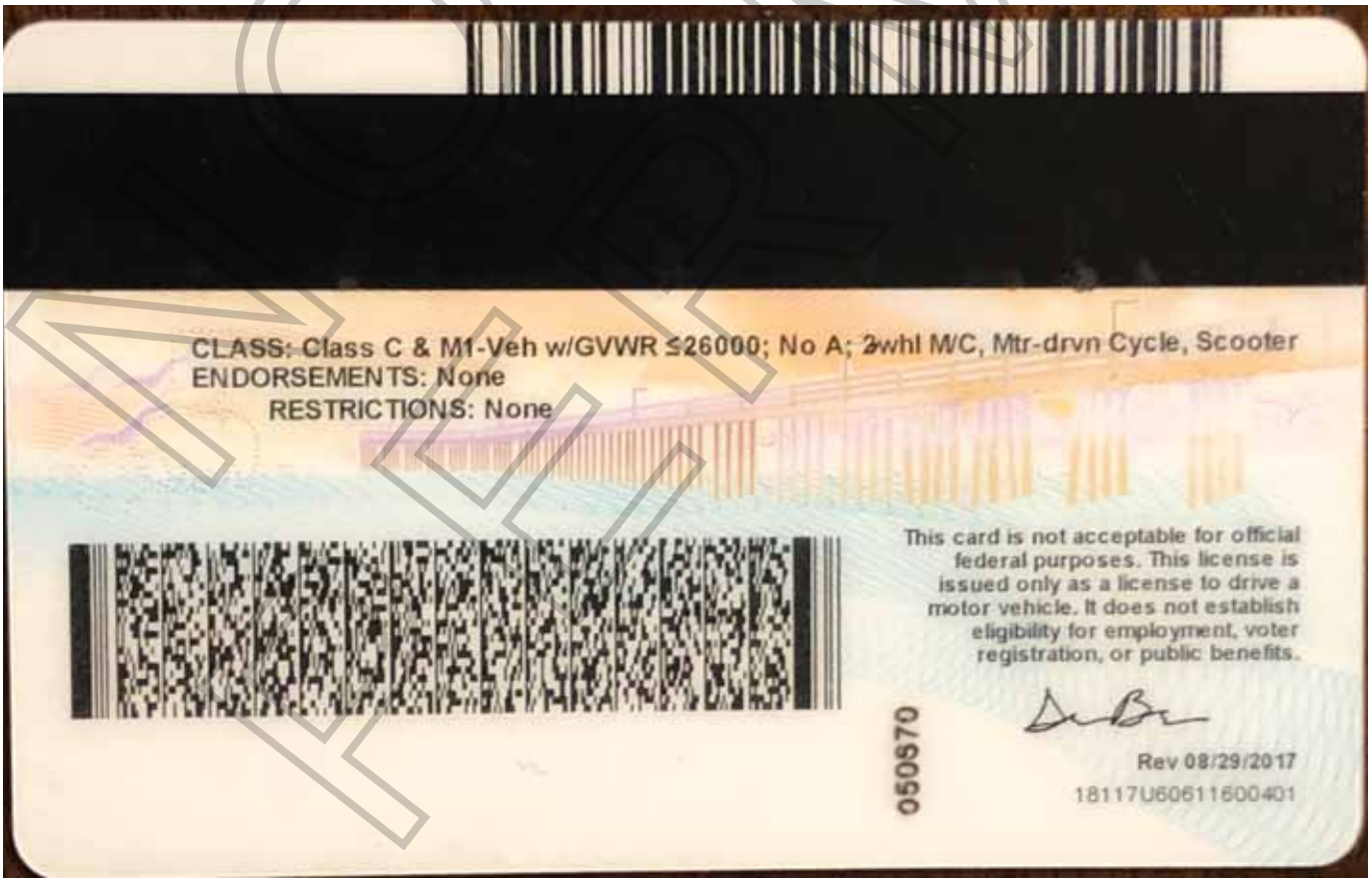
20 AGL
LAKE HUGHES
108.4 Ch 21 LHS
HAWTHORNE
VICKY
MOLTT
Lancaster
LANCASTER RCO
RIVERSIDE
KPMD
VORTAC
PALMDALE
114.5 Ch 92 PMD
121.5
RIVERSIDE
LAKE PALMDALE
3024
ETHER
ZOREN
PURPS
L70
OGET
BOGET
SOLEDAD PASS
3225
Vincent
Acton
Substation
34°27'18"N/118°11'46"W
SOLED
UMBER
SAUGS
SLAPP
Castaic
Castaic Lake
power plant
Valencia
KIMMO
LANGE
SANTA CLARITA
San Fernando
MAGIC MOUNTAIN WILDERNESS AREA
MENDENHALL PEAK
4636
MODE C
30 NM
See NOTAMs/Supplement for Class D/E (sfc) eff hrs
See NOTAMs/Supplement for Class D eff hrs
PLEASANT VIEW RIDGE WILDERNESS AREA
SAN GABRIEL WILDERNESS AREA
CTC SOCAL APP WITHIN 20 NM ON 135.05 317.5
TWINE
VOR-DME
KWHP
WHITEMAN (WHP)
CT 135.0
ATIS/AWOS 3 132.1
BURBANK CLASS C
BOB HOPE (BUR)
CT 118.7 ATIS 134.5 135.125
KVNY
VNY (113.1)
ALEY
CHATY
KBUR
FOUR STACKS
Canoga Park
SILEX
Van Nuys
Burbank
DARTS
ROSE BOWL
See NOTAMs/Supplement for Class D eff hrs
Pasadena
Mt. Wilson Observatory
SAN GABRIEL VALLEY (EMT)
CT 121.2
ATIS 118.75
CTC SOCAL APP WITHIN 20 NM ON 125.5 349.0
HASSA
BRACKETT (POC)
CT 118.2 133.3
ATIS 124.4
ELMOO
V137
V386
V518
V459
V165
V197
V201
V186
V326
V186-597
V23
104
75
10
Permit #F00141612-A



REPORT

Permit #F00141612-A

Permit #F00141612-A


CLASS: Class C & M1-Veh w/GVWR ≤26000; No A; 2whl M/C, Mtr-drvn Cycle, Scooter
ENDORSEMENTS: None
RESTRICTIONS: None
This card is not acceptable for official federal purposes. This license is issued only as a license to drive a motor vehicle. It does not establish eligibility for employment, voter registration, or public benefits.
050570
Rev 08/29/2017
18117U60611600401

SAMPLE

Small UAS Certificate of Registration

Name: Aerial MOB llc

Manufacturer: Freefly

Model: Alta 8

Serial Number: 371888

Certificate Number: FA3ENHHCX4

Issued: 07/12/2018 Expires: 07/12/2021

For U.S. citizens, permanent residents, and certain non-citizen U.S. corporations, this document constitutes a Certificate of Registration. For all others, this document represents a recognition of ownership.

For all holders, for all operations other than as a model aircraft under sec. 336 of Pub. L. 112-95, additional safety authority from FAA and economic authority from DOT may be required.

This Small UAS Certificate of Registration is not an authorization to conduct flight operations with an unmanned aircraft. Operations must be conducted in accordance with the applicable FAA requirements. The operator of the aircraft is responsible for knowing and understanding what those requirements are. For more information on flying for non-model purposes, please visit the FAA website at www.faa.gov/uas

Federal Aviation Administration

NOT A PERMIT

SPECIFICATIONS

DIMENSIONS

Unfolded Diameter (does not include Props)	1325 mm
Folded Diameter (does not include Props)	660 mm
Height to base of Toad In The Hole (TITH)	263 mm

POWERPLANT

Number of Motors	8
Motor Type	Direct Drive 3-Phase PMAC Outrunner
Motor Make and Model	Freefly F45
Motor Max Continuous Power Output	350 W
Motor Max Instantaneous Peak Power Output	950 W
Max RPM (flat rated)	6300 RPM
Equivalent Kv	384
Electronic Speed Controller	Freefly Silent-Drive Sine Wave ESC

NO PERMIT

PROPELLERS

Permit #F00141612-A

Make and Model	Freefly ALTA Propeller
Material	Carbon fiber with balsa core
Propeller Orientation	(4) CW and (4) CCW Props
Propeller Type	18 x 6 Folding

BATTERY

Nominal Battery Voltage	6S / 22.2V
Maximum Battery Size	240 x 180 x 80 mm
Maximum Battery Quantity	2 Battery Packs (Parallel)
Minimum Battery Quantity	2 Battery Packs (Parallel)
Battery Connectors	2x EC5 (Parallel)
Required Minimum Battery Discharge Rating	250A / 500A Peak

WEIGHTS

Maximum Gross for Takeoff[1]	18.1 kg (40.0 lbs)
Maximum Useful Load[2]	12.0 kg (26.4 lbs)
Maximum Payload[3]	9.1 kg (20.0 lbs)
Typical Standard Empty Weight	6.2 kg (13.6 lbs)

WARNING

Always refer to the following aircraft limitations section for complete information on allowable maximum gross weights at different altitudes and temperatures before any flight.

SPECIFIC LOADINGS

Typical Specific Power[4]	145 W/kg
Thrust Ratio at Max Takeoff Weight (MTOW)[1]	1.85 : 1

FLIGHT CONTROLLER

Model Name	Freefly SYNAPSE Flight Controller
Flight Modes	Manual
Height Hold Mode	
Position Mode	
Return-To-Home	
Autoland	

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Permit #F00141612-A

Supported Inputs	DSMX, DSM2, S.Bus, S.Bus2, PPM, FPV SD
Supported Radios	Futaba S.Bus & S.Bus2
DSMX, DSM2 (Spektrum/JR)	
PPM, PPM Invert, PPM Graupner	
Supported Radio Controller Telemetry Systems	Futaba w/ built-in voltage sense port
Minimum Radio Controller Channels Required	>5
Supported GNSS	GPS, GLONASS, Galileo
Supported SBAS	QZSS, WAAS, EGNOS, MSAS
First-Person View System Video Formats	NTSC, PAL
Supported First-Person View Transmitters	Skyzone BOSCAM Immersion RC Fatshark
Supported First-Person View Cameras	Ready Made RC
First-Person View OSD Telemetry	User Configurable
Installed Transceivers	Wi-Fi
Data Logging Rate	25 Hz

LIGHTING AND INDICATION

Status Light	1-Watt Red, 1-Watt White LED
Orientation Lights	3-Watt RGB LED
Orientation Light Color	Red, Yellow, Blue, Green, White

ISOLATION SYSTEM

Vibration Isolation System	Silicone O-Rings
ISOLATION SYSTEM OPTIONS:	
1. Soft/Light Payloads	Red O-Rings
2. Medium/Mid Payloads	Teal O-Rings
3. Stiff/Heavy Payloads	Black O-Rings

PAYLOAD MOUNTING

Mounting Locations	Bottom and Top Mount
Mounting System	Freefly Toad In The Hole (TITH) Quick Release
FPV Camera Mount	Between booms 8 & 1
FPV Transmitter Mount	Boom 2

NOTE

NOT A PERMIT

These limitations are advisory in nature and do not extend or restrict limitations provided by Governing Aviation Authorities.

POWERPLANT LIMITATIONS

Maximum RPM	6300 RPM
Maximum Battery Voltage	25.2 Volts
Minimum Average Battery Voltage	19.2 Volts

ENVIRONMENTAL LIMITATIONS

Do not fly ALTA 8 in temperatures exceeding 45°C (113°F) or below -20°C(-4°F).[5]

FLIGHT CONTROLLER LIMITS

Maximum Pitch/Roll Angle	45°
Maximum Yaw Rate	150° / second

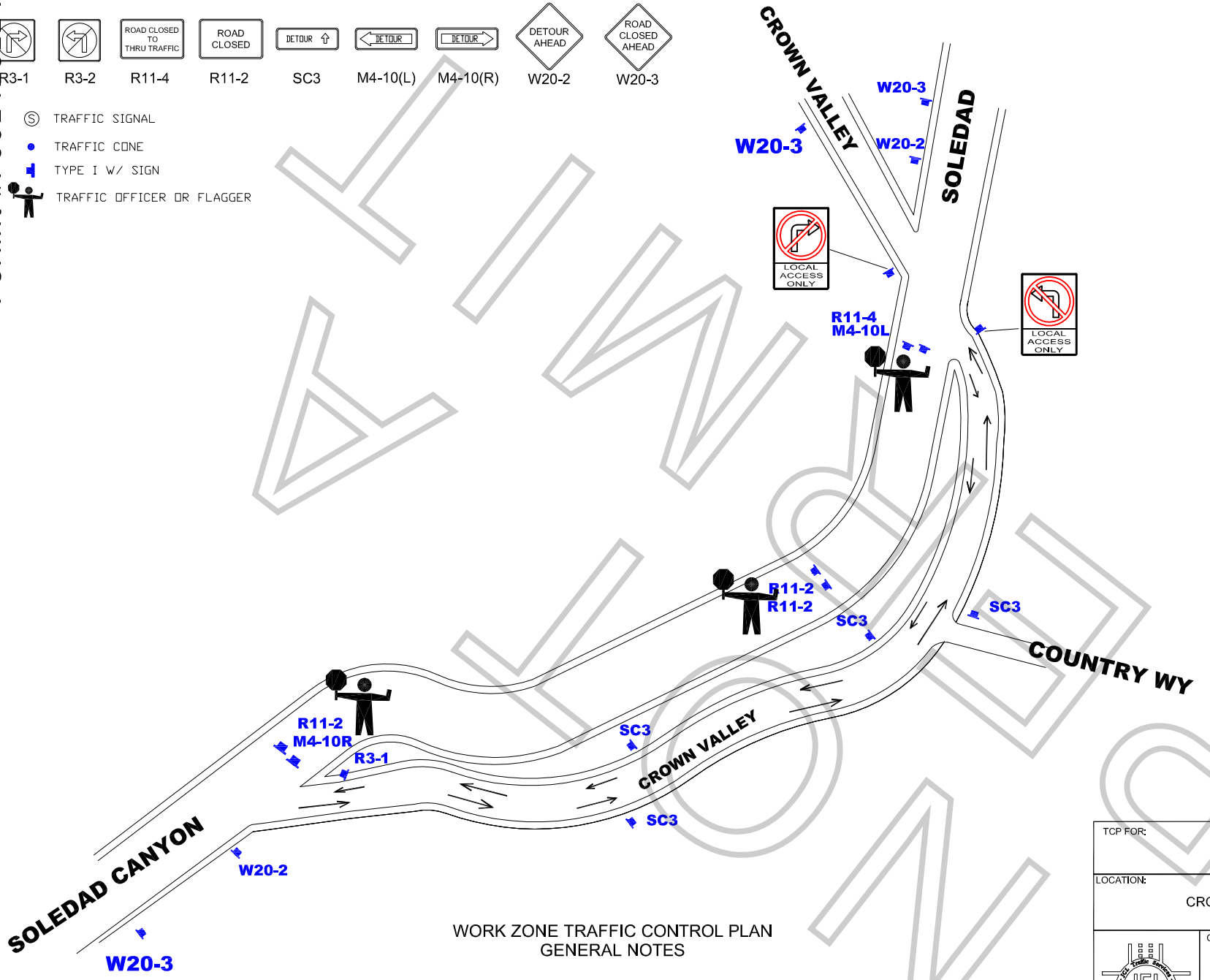
1. At sea level, standard conditions.
2. Top and bottom mount. Includes batteries.
3. Payload weight top or bottom mount. Battery weight not included and mounted on opposite side from payload in typical configurations.
4. At maximum takeoff weight, sea level, standard conditions.
5. Must additionally observe battery temperature ratings.

NOT A PERMIT

Permit #F00141612-A

R3-1 | R3-2 | R11-4 | R11-2 | SC3 | M4-10(L) | M4-10(R) | W20-2 | W20-3

TRAFFIC SIGNAL
TRAFFIC CONE
TYPE I W/ SIGN
TRAFFIC OFFICER OR FLAGGER



ALL TRAFFIC CONTROL WILL BE INSTALLED TO MEET OR EXCEED THE MUTCD AND WATCH MINIMUM REQUIREMENTS

CLOSURES ON CROWN VALLEY RD AND SOLEDAD CYN RD WILL BE ALTERNATING.

WORK ZONE TRAFFIC CONTROL PLAN
GENERAL NOTES

1. DATE/TIME: 9-6-18 FROM 09:00 HOURS TO 16:00 HOURS.
2. ALL SIGNING, STRIPING, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE (CURRENT) STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND STANDARD SPECIFICATIONS, CALIFORNIA MUTCD, AND ANY ADDENDUMS THERETO, AND AS SHOWN ON THESE PLANS, SYMBOLS AND ABBREVIATIONS USED ARE SHOWN ON CALTRANS STANDARD PLANS.
3. THERE WILL BE NO INTERFERENCE WITH TRAFFIC SIGNALS OR CROSSWALKS.
4. CONES WILL BE 28" MINIMUM HEIGHT AND HAVE REFLECTORIZED SLEEVES FOR NIGHT WORK.
5. POLICE WILL DIRECT TRAFFIC IF NECESSARY.

TCP FOR: NBC UNIVERSAL: "DIRTY JOHN"

LOCATION: SOLEDAD CANYON
CROWN VALLEY TO CROWN VALLEY
ACTON, CA

CONTACT: RICHARD DIPATRI
PH# 323-854-6934
MIKE WEBSTER
OFFICE# 323.579.1173

JCL TRAFFIC SERVICES
(213) 622-9775
C31-CA Lic # 805573

DATE	REVISIONS	DRAFTER: MARIO MENJIVAR
7-25-18	DATE REVISION ONLY	SCALE: N.T.S.
		FILM LA: MG

FINAL